Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/27/2021 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123415	-2	3.48	123291	3.49
Blue	F	SSC	125000	123483	-2	4.24	124068	4.22
Blue	E	FITC	14284	13661	-5	4.45	381	14.44
Blue	D	PE	23919	23424	-3	4.19	554	11.85
Blue	B	PerCP-Cy5-5	31332	30530	-3	4.74	869	16.09
Blue	A	PE-Cy7	22272	22000	-2	6.59	456	33.00
Red	C	APC	47768	46692	-3	2.83	1605	11.76
Red	A	APC-Cy7	25313	24556	-3	3.32	696	12.64
Violet	B	V450	7085	6765	-5	4.43	471	11.90
Violet	A	V500	26969	25788	-5	4.03	883	9.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23063	4.87	591	2	N/A	N/A	Pass
Blue	F	SSC	54763	4.17	526	5	N/A	N/A	Pass
Blue	E	FITC	57	55.60	497	-4	0.0397	44	Pass
Blue	D	PE	107	41.51	495	-2	0.3288	269	Pass
Blue	B	PerCP-Cy5-5	134	45.74	586	-2	0.0181	114	Pass
Blue	A	PE-Cy7	74	85.53	634	-1	0.0193	0	Pass
Red	C	APC	337	27.15	579	-1	0.0274	251	Pass
Red	A	APC-Cy7	128	37.07	553	-2	0.0062	1770	Pass
Violet	B	V450	80	48.71	450	-13	0.0567	2508	Pass
Violet	A	V500	104	32.58	461	-13	0.0225	868	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/27/2021 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.45	-31.26	1.15
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	13.91	13.60 - 20.40	N/A	N/A	29.69	29.94	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9689

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments